

Revision: 2.0
(Replaces revision 1.0 of 01 July 2016)

Revision date: 29 April 2021
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Section 1. Identification

1.1 Product Identifier 0636

Product Name COLOUR/ACID REAGENT (for METROHM MANGANESE ANALYSER)
(ADD-2)

CAS Number Mixture

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



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Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Skin corrosion/irritation, category 2 H315: Causes skin irritation.
Serious eye damage/irritation, category 2 H319: Causes serious eye irritation.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Warning

Hazard Pictograms



Hazard Statements Causes skin irritation. Causes serious eye irritation.

Section 3. Composition

3.2 Mixtures

| Component | CAS No. | EEC No. | REACH No. | Conc w/w | CLP Classification (1272/2008/CE) |
|----------------------|-----------|-----------|-----------------------|----------|-----------------------------------|
| Sulphuric acid | 7664-93-9 | 231-639-5 | 01-2119458838-20-XXXX | 5.2% | Skin Corr. 1A |
| Orthophosphoric acid | 7664-38-2 | 231-633-2 | 01-2119485924-24-XXXX | 4.75% | Skin Corr. 1B, Acute Tox. 4 (O) |

Section 4. First Aid

4.1 Description of first aid measures

Personal protection for first aiders Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Unsuitable Media Consider what other flammable materials are present and act accordingly.

5.2 Special hazards arising from the substance or mixture

Hazards Presents no specific fire danger.

5.3 Advice for firefighters

Advice for firefighters Consider all other materials in the vicinity.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

| Component | CAS No | Concentration | Workplace Exposure Limits | | |
|----------------------|-----------|---------------|---------------------------|-------------------------|------------|
| | | | Long Term (8hr TWA) | Short Term 15min period | |
| Sulphuric acid | 7664-93-9 | 5.2% | - | 0.05 mg/m-3 | - |
| Orthophosphoric acid | 7664-38-2 | 4.75% | - | 1.0 mg/m-3 | 2.0 mg/m-3 |

Exposure data source(s) IOELV: Indicative Occupational Exposure Limit Value.

8.2 Exposure controls

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|----------------|
| Odour | Not available |
| pH | Not applicable |
| Boiling Point | Not available |
| Melting Point | Not applicable |
| Flash Point | Not applicable |
| Upper Flammable Limit | Not applicable |
| Lower Flammable Limit | Not applicable |
| Auto Ignition | Not applicable |
| Explosive Properties | Not applicable |
| Oxidising Properties | Not applicable |
| Vapour Pressure | Not applicable |
| Relative Density | Not available |
| Water Solubility | Not available |

9.2 Other information

No data available.

Section 10. Stability & Reactivity

| | |
|---|---------------------------------|
| 10.1 Reactivity | No data available. |
| 10.2 Chemical Stability | No data available. |
| 10.3 Possibility of hazardous reactions | No data available. |
| 10.4 Conditions to Avoid | No specific conditions. |
| 10.5 Incompatible Materials | No specific materials to avoid. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

| | |
|-----------------|--------------------------------|
| Eyes | Causes serious eye irritation. |
| Skin | Causes skin irritation. |
| LD50 Skin | Not available |
| LD50 Oral | Not available |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Mutagenicity | No data available. |

Section 12. Ecological

| | |
|----------------|--------------------|
| 12.1 Toxicity | No data available. |
| LC50 Algal | Not available |
| LC50 Crustacea | Not available |

| | |
|---------------------------------------|--------------------------|
| LC50 Fish | Not available |
| 12.2 Persistence and degradability | No data available. |
| 12.3 Bioaccumulative potential | No data available. |
| 12.4 Mobility in soil | No data available. |
| 12.5 Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

Section 14. Transport Information

| | |
|-----------------------------------|----------------------------------|
| 14.1 UN Number | Non-restricted |
| 14.2 Proper Shipping Name | Non-restricted |
| 14.3 Transport classes | |
| UN classification | None |
| Subsidiary hazard(s) | None |
| Transport category | None |
| ADR Hazard ID | Non-restricted |
| Tunnel Restriction Code | Non-restricted |
| 14.4 Packing Group | None |
| 14.5 Environment hazards | See section 12. |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk | Not transported in bulk. |

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Skin corrosion/irritation, category 2; Serious eye damage/irritation, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H315, H319
Causes skin irritation. Causes serious eye irritation.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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